JUAB COUNTIES, UTAH

by Alan W. Fong 1995

#### **DESCRIPTION OF MAP UNITS**

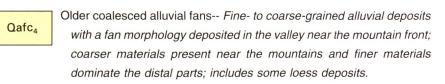
#### QUATERNARY UNITS

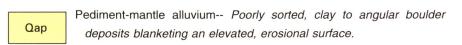
	Alluvium Poorly to moderately sorted silty clay to cobble-sized material
Qal	deposited in active streams and washes.

	Spring	tufa	Tan,	calcareous	tufa	with	streaks	of	charcoal	and
Qst	carbonaceous sand.									

# Qaf<sub>2</sub>

Older alluvial fans-- Similar to older coalesced alluvial fans.





### BEDROCK UNITS

-	Colton Formation Gray to orange mudstone, limestone, sandstone,								
Tco	and siltstone; sparse gastropods and pelecypods.								

conglomeratic sandstone.

#### abundant limestone pebbles and cobbles. Indianola Group, unit 3-- Varicolored conglomerate with minor arkose and sandstone.

supported conglomerate with subordinate sandstone and shale;

stone, and minor gritstone; undivided because of poor exposures.

## Arapien Shale-- Shown only on the cross section.

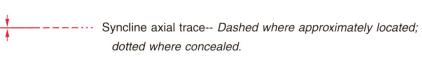
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## MAP SYMBOLS

	Contact
~~~~~	Major unconformity (shown on cross section only

--- Normal fault-- Dashed where approximately located, dotted where concealed; bar and ball on downthrown side.

## Joint or fracture



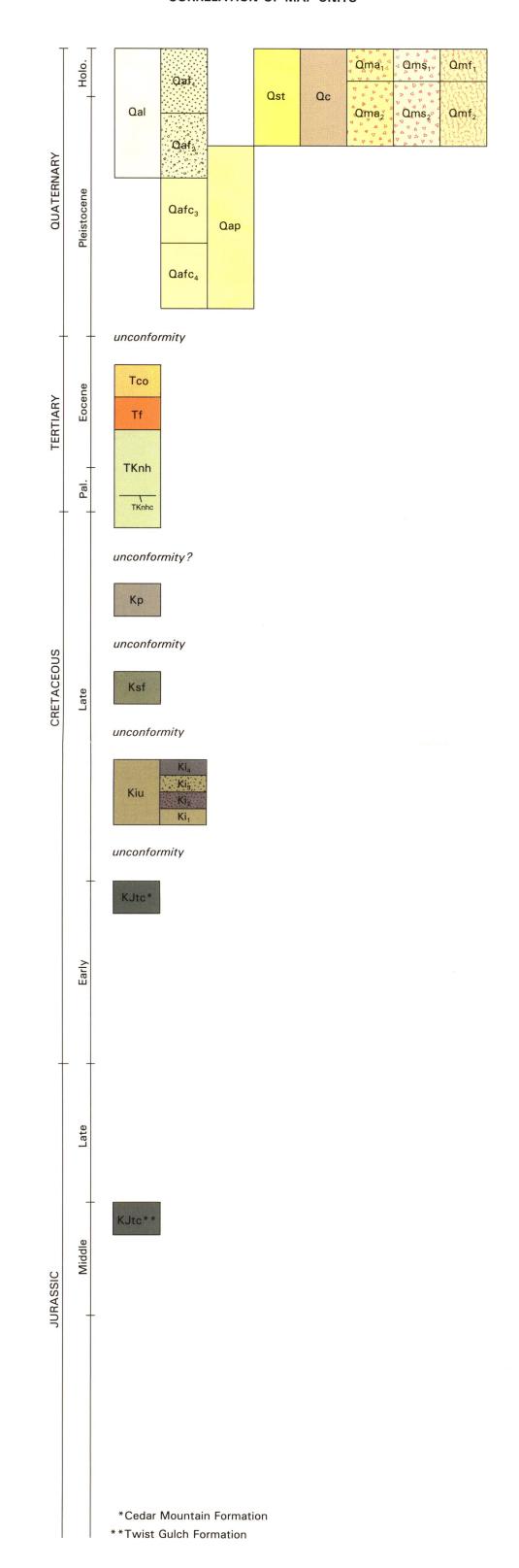
## X Coal prospect pit

# Strike and dip of bedding (inclined, vertical, overturned)

 $\sim$  Spring

Landslides, debris flows, and slumps (too small to map separately)

#### **CORRELATION OF MAP UNITS**



## LITHOLOGIC COLUMN

SYSTEM	SERIES/ STAGE		FORMATION			BOL	THICKNESS feet (meters)		LITHOLOGY	
QUATERNARY	Pleistocene to Holocene		Unconsoli deposi			)-250 )-75)				
0			Spring t	ufa	Qst		60+ (18+)			
	Eoc.		Colton Forr	mation	Тс	Тсо		0 (66)	600006	
	ine		Flagstaff Formation			f	40-930 (12-280)			
TERTIARY	Paleocene to Eocene		North H Formati Coal	TKI	nh Knhc	0-3,100 (0-940) 0-40 (0-12)		0.00.00		
	rACEOUS Maastrichtian		Price Ri Formati		Кр		0-800 (0-240)		0.0000	
CRETACEOUS			South F Formati		Ks	f		2,826 860)		
CRE	Turonian to Campanian		d.	(West)	(East)			(006-	1426	
		Luronian to Campanian Indianola Group	Unit no. 4	Undiffer- entiated	Ki <sub>4</sub>	Kiu	400-3,000 (120-900)	(0-300)		
			Unit no. 3		Ki <sub>3</sub>				000000	
		Ca	India	Unit no. 2		Ki <sub>2</sub>		0-3,0	0-200	
			Unit no. 1		Ki <sub>1</sub>		40	1,500 (450)	0.00000	
JUR.			Twist Gulch and Cedar Mountain Fms., undivided			tc		0-900 0-270)		

